"CONCRETE & CONSTRUCTIONAL ENGINEERING"

VOL. XLIX FORTY-NINTH YEAR OF PUBLICATION 1954

CONCRETE PUBLICATIONS, LTD., 14 DARTMOUTH STREET, LONDON, S.W.1

INDEX

	AGE I	BOOK REVIEWS (contd.): PAG	SE.
	146	Brücken in Stahlbeton: Platten-und Balken-	
" New B.S. for 3	363		88
	14	Combined Rending and Torsion of Liberty of	10
" Buildings at Renfrew	377	Monosymmetrical Cross Section, by O. Pettersson 11	10
	349		88
		Der Stahlbetonbau, by Kersten and Kuhnert, Vol. I, 110; Vol. II 30 Die Ermittlung der Kornfestigkeit von Ziegelsplitt	
AUTHORS:		Vol. I, 110; Vol. II 30	06
Abeles, P. W., on Tests of prestressed precast		und andern Leichtbeton-Zuschlagstoffen, by A.	
Ashdown, A. J., on Prestressed prismatic roofs,	153		70
105; on Prismatic roof slabs with small angular			62
change 3, 73, 1	105	Experimental Study of the Relation between the	-
Bertlin, A. S., and O. Dawson, on Lining the		Properties of Fresh and Hardened Concrete, by	
Haslingden and Walmersley tunnels	43	S. G. Bergström 20	92
Dawson, O., and A. S. Bertlin, on Lining the Haslingden and Walmersley tunnels	42	Field Testing of Concrete, by S. Thaulow	64 38
	43		40
Guyon, Y., on Tests of prestressed slabs	100	Mechanics of Engineering Soils, by P. L. Capper	
Hopkins, H. J., on the design of tee-beams 3	303		10
Hunter, L. E., on Large-diameter piles	165		70
Ibsen, Janik, and Søren Rasmussen on Precast construction in Denmark	101		92 38
Jampel, S., on Loads on groups of free-standing	.01	Prestressed Concrete Design and Construction, by	30
, piles	80	F. Walley 1	88
Jones, R., and J. H. Wettern on Testing the		Schuttbeton aus verschiedenen Zuschlagstoffen,	
strength of concrete by the ultrasonic-pulse			70
	343	Soil Survey Procedure Spannbeton (Entwicklung, Konstruktionen, Herst-	38
Magnel, G., on Loads on groups of free-standing	227	ellungsverfahren und Anwendungsgebiete), by	
piles	80	H. Mell 2	70
Mattock, Alan H., on Composite prestressed beams		Spannbeton-Erläuterungen, by H. Rusch 1	40
and in-situ slabs	123	Steel Reinforcement, Cutting, Bending, and Fixing,	
Morgan, V. A., on Analysis of an arch frame with two bays and columns with fixed bases		Studies of Slab and Beam Highway Bridges, by	64
Nesbit, J. K., on A table for calculating the set of	365		40
	97	Theorie der Verbundkonstruktionen, by K. Sattler 2	192
Rasmussen, Søren, and Janik Ibsen on Precast	-	Verdichtungstechnik und Verdichtungsgeräte im	
	101		10
Reynolds, C. E., on Groups of symmetrically- arranged free-standing piles		Winterarbeiten im Beton-und Stahlbetonbau, by A. Kleinlogel	
Savona, J. S., on A circular diagram for the design	111	A. Kleiniogei	110
of beams, 158; on Doubly-reinforced beams 1	333	Bridge at Singapore, New	115
Shepley, Eric, on Influence lines for continuous	505	,, construction, Composite precast and in-situ	69
beams	63	" decks, Stresses in	119
Sidwell, E. Harold, on Reinforced concrete arch bridge in Brazil			81
Smolira, M., on Analysis of statically-indeterminate	181		74
structures by the deformation method		Bridges in Australia, Precast	74
Wettern, J. H., and R. Jones on Testing the strength of concrete by the ultrasonic-pulse	349	Building for the future	61
Wettern, J. H., and R. Jones on Testing the		" The use of machines and the cost of I	117
		Cement, A vehicle for loose 170, 2	171
method	343		65
Bank of England, Precast members at a printing		" packing and despatch depot on the river	-0
works for the	337	Thames 3	87
Beams, A circular diagram for the design of, by J. S.			93
Savona " and in-situ slabs, Composite prestressed, by	158		132
	123		13
	333	Columns, The fire resistance of 1	116
" Impact strength of	297	Composite prestressed beams and in-situ slabs, by Alan H. Mattock	
" Influence lines for continuous, by Eric		Alan H. Mattock	23
Shepley ,, of static and dynamic loads, Effect on	63		82
	303	n The quanty of	19
Thickened slabs in place of	193	Dam, Supplying aggregates for the Owen Falls 1	146
Bending and direct forces, Design diagrams for		Decoration, utility, and design 3	331
sections subjected to	289	Deformation method, Analysis of statically-indeter-	
BOOK REVIEWS:		minate structures by the, by M. Smolira 209, 251, 275, 315, 3	40
A.S.T.M. Standards on Mineral Aggregates, Con-		Denmark, Precast construction in, by L. Gravesen,	
crete, and Non-bituminous Highway Materials	270	70; by S. Rasmussen and J. Ibsen	101
Bautechnik-Archiv	164	Design, decoration, and utility	331
Beitrag zur Berechnung kreuzweise gespannter Fahrbahnplatten im Stahlbruckenbau, by G.		Direct forces, Design diagrams for sections subjected to bending and	280
Fischer Stambruckenbau, by G.	164	to bending and 2	- 9
Bemessung in Stahlbetonau	306	Engineer in society, The 301, 342, 3	176
Berechnungsgrundlagen für Bauten, by B. Wedler	188		
Bestimmungen des Deutschen Ausschusses für Stahlbeton	306		21
	300	a aim building, componie presse and matte	34

Fl-400 A S A					2000	Professional competition	ALUE .
Fertilizers, A large store for			**		225		121
Fire resistance of columns					116	Pulverised-fuel ash in concrete 264, 273,	292
Flat slabs, Partially-prestres	sed				26I		
Fire resistance of columns Flat slabs, Partially-prestres Flats at Edinburgh, Residen in London, Residentia	itial				58	Radioactivity and the strength of concrete Railway bridge in Staffordshire, Prestressed	282
in London Residentia	1				59	Railway bridge in Staffordshire, Prestressed	51
Floors, Heating coils in conc	moto.		**		272		
Fibors, Heating coals in conk	zere	* *	**	**		Reinforced Concrete Association	241
"Fly ash" in concrete Footings, The bearing capac		**	20.	4, 273,	292	Research, Building	119
Footings, The bearing capac	ities of				361	Reservoir in Scotland	41 89
Foundation for a sphere					168	Road works and road safety	89
Foundations	~~				243	Roads, Expansion and contraction joints in	267
of the Guildhal	I Lond	**	**			Roads, Expansion and contraction joints in	207
n of the Gundha	u, Long	OM .	***	**	199	n Research on concrete ,,	314
Frame with two bays and of Analysis of, by V. A. M	columns	with I	ixed b	ases,		Roof, A cantilevered shell	177
Analysis of, by V. A. M	organ				365	" at Brighton, Factory with shell	39
Frames, Tests of					199	" cantilevering III ft	322
			**	* * *	-33	" Lightweight precast	328
Commenter Vandon							340
Garage in London Gas Works, Structures at a	**	**			23	,, stabs with small angular change, Prismatic,	-
Gas Works, Structures at a	**	**			20	by A. J. Ashdown 3, 73,	105
Grovne, An articulated	0.0		6.0		323	" used as movable working platform " with Vierdendeel girders of 81 ft. span, A north-	163
Guildhall, London, Streng	thening	the i	ounda	tions		" with Vierdendeel girders of 81 ft. span, A north-	-
					100	light	221
of the	0.1				.99	D. f. D.	
**						Roots, Precast	139
Hangar, A precast	**	**	**	8.80	393		
Heating coils in concrete flo	KOTS.				272	School at Hanley, Staffs	60
Hangar, A precast Heating coils in concrete flo Hostel, London, Indian stud	dents'				245	" buildings, Precast concrete in	171
Trouted Trousent Lineary Store					-43	, Precast construction in a multiple-story	
Today on the santinus			P C1			Chale approach Designation to an marine of account	307
Influence lines for continuo	nis bean	as, by	E. Sh	epacy	63	Shale aggregate, Resistance to sea-water of concrete	
In-situ bridge 'construction	, Comp	osite	precasi	t and	169	made with expanded ,, aggregate used for a bridge, Expanded	109
						, aggregate used for a bridge, Expanded	260
letties in France Wharver	and				133	Shell roof A cantileyered	177
Jettics in France, Wharves Joint-sealing compounds, B	S for	**	**	**	*33	woof at Brighton Factors with	
Joint searing compounds, B	IOI		0 1	**	240 267	" roof at Brighton, Factory with " roofs, A factory with Silo in Yorkshire, Barley	39
Joints in roads, Expansion	and con	tractio	ar.	**	267	in roots, A factory with	29
						Silo in Yorkshire, Barley	40
Load factor against failure				**	296	Slabs, Composite prestressed beams and in-situ, by Alan H. Mattock	
Loads, Effect on beams of s	tatic an	d dyn	mic		226	Alan H. Mattock	123
Louis, Linece on Dennis or a	rement un	a tay an	easter.		***	in place of beams, Thickened	
							193
Machinery, Prestressed fact	ory for	heavy	**		373	Partially-prestressed flat	261
Machines and the cost of bu Maltings structure in Lincol	uilding	**		**	117	Sleepers, Rail clamp for	375
Maltings structure in Lincol	Inshire				- 55	Society, The engineer in 301.	. 342
Manthigs structure in Linco	landin.		**		33	Ctadium in Hungamer III	340
Moulds for precast slabs, Pl	astic	**	* *	* **	202	Stadium in Hungary	161
						Staircase, A curved	42
PATENTS:						Staircases, The design of, by A. Krysztal	227
Collapsible cores					299	Staircase, A curved Staircases, The design of, by A. Krysztal Stairc, Partially-prestressed reinforced helical Standards, The drafting of British	197
Composite been	**	* *	**	**		Standards The deafting of British	
Composite beam	**	1 64	**	* *	104	Standards, The draiting of Dritish	151
Electrical curing of prest	ressed o	oncrete			200	Statically-indeterminate structures by the deforma-	
Floor beams			**		329	Statically indeterminate structures by the deforma- tion method, Analysis of, by M. Smolira	
Foundations					200	209, 251, 275, 315	, 349
Grouting					329	Steel, Economy of	120
Joining reinforcement	**	**				in prostressed concrete Comparison of	
Joining remiorcement	**	**	**	* *	347	" in prestressed concrete, Corrosion of	201
Prestressed beams	**	**		**	96		
Shuttering for stairs					299	Tank, A large prestressed	396
						Television Transmission Towers	239
Piles, A steel jig for positio	ning				220	Testing concrete, Impact methods of	
rues, A steel hig for positio	ming				220	resting concrete, impact methods of	250
" A table for calculat	ing the	set o	i, by	J. K.		,, the strength of concrete by the ultrasonic-	
Nesbit					97	pulse method, by R. Jones and J. H.	
" Groups of symn	netricall	v-arrai	ged	free-		pulse method, by R. Jones and J. H. Wettern	343
standing by C F	Revnok	de			III	Tests of prestressed precast concrete, by P. W. Abeles	153
" Groups of symm standing, by C. E. " Large-diameter, by I	E M.	mean	0.0	**		Towers Television transmission	*23
,, Large-diameter, by L	. E. Hu	mier			165	Towers, Television transmission	239
" Loads on groups of fr	ee-stand	nng, b	y G. M	lagnel		Training in concrete work	, 321
and S. Jampel	**		**	**	80	Transmission towers, Television	239
and S. Jampel Plastic moulds for precast : Power station, Hackney, L.	slabs				202	Tunnel lining, Earth pressure on	204
Power station Hackney L.	ondon			-	56	New Method of lining a	
station Nottingham				**		Tunnels Lining the Haslingden and Walmarden by	141
" station, Nottingnam				-14-	27	Tunnels, Lining the Haslingden and Walmersley, by	
Precast and in-situ bridge	construc	tion, (опвро	site	169	O. Dawson and A. S. Bertlin	43
" beams with pre-	cast at	nd in	situ	slabs,			
Prestressed					38	Ultrasonic-pulse method, Testing the strength of concrete by the, by R. Jones and J. H. Wettern	
,, concrete in school	building	18			171	concrete by the, by R. Iones and I. H. Wettern	343
construction in a m			chool		307	Utility, Design, and decoration	331
construction in T	anmost.	ber 1	C	vesee	201	Comply trength and deceleration (1) (1)	331
" construction in D 70; by S. Rasm	cumark,	by I	- CHA	vesess,		Viennadael sindam of the frame A west I' As a	
70; by S. Rasm	ussen a	nd J. I	usen	**	101	Vierendeel girders of 81 ft. span, A north-light roof	
Printing works for the Ban	g walls o	I			358	with	231
Printing works for the Ban	k of En	gland			337		
Prismatic roof slabs with	small a	ngular	chan	re. ho	331	Walls of precast slabs, Load-bearing	358
A T Ash dame	oman a	nemai	caranti	e, by		Water tower at Classer	330
A. J. Ashdown roofs, Prestresse				3. 7	3, 105	Water tower at Glasgow	-
,, roofs, Prestresse	a, by A.	J. As	ndown		105	Wharves and jetties in France, Recent	133
		100	DEC	TD	-	D CONCEPTE	
			MES	IKI	F991	ED CONCRETE	
					PAGE		PAGE
Beam of ss ft. spap Test	of				235	Fire resistance 119	9, 297
Beam of 55 ft. span, Test of Beams at Victoria Station,	Sheffer	d Do	4			Foothridge in Deconshire	
Beams at victoria Station,	, sneme	m, RO	**	**	53	Footbridge in Devonshire	139
" New method of pro	estressir	ıg			234	Frames and beams at London Airport, Precast	14
" Railway goods she	d with p	prestre	ssed		157	German recommendations	189
n Static strength of					297	Losses of prestress	298
, with precast and it	n-situ si	abs D	tecom			Multi-story building in London	
Bridge A light-weight	er auem 91		count		38	Dile A new term of	91
Bridge, A lightweight			**	**	295	Pile, A new type of Precast members at a printing works for the Bank of	113
" at Hackney power	station	0.0		**	56	Precast members at a printing works for the Bank of	
,, for a railway and o	coal con	veyors	0.0		35	England	337
" in North Devon					35 169	Roof, A small	326
	for rail	wav.	he P	SA		Roof, A small	100
		my,	3	-	283	Clarace Destroyed college	
Corrosion of steel	**	* *	**			Sleepers, Prestressed railway	29
	-0.0				201	Strip steel for	300